

0019-OS

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

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Examiner:

Serial No.: 09/847,004

Group: 1711

Filed: MAY 1, 2001

Title: PREPARATION OF SECONDARY  
AMINOISOBUTYLALKOXY-SILANES

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CERTIFICATE OF MAILING	
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington D.C. 20231.	
Date: <u>October 10, 2001</u>	<u>Norma M. Corrigan</u> Name of Person Mailing Paper <u>[Signature]</u> Signature of Person Mailing Paper

**INFORMATION DISCLOSURE STATEMENT**

Asst. Commissioner for Patents  
Washington, DC 20231

Sir:

In reference to the above-identified patent application and pursuant to Applicant's duty of disclosure, Applicants enclose copies of the following documents.

I. United States Patents:

United States Patent No. 2,930,809, entitled "Aminoalkylsilicon Compounds and Process for Producing Same" by Kenmore et al., issued March 29, 1960;

United States Patent No. 2,970,150 entitled "Processes for the Reaction of Silanic Hydrogen-Bonded Siloxanes with Un-saturated Organic Compounds with a Platinum

Catalyst" by Bailey, issued January 31, 1962;

United States Patent No. 4,410,669, entitled "Polymeric Ammonium Compounds with a Silica-Type Backbone, Processes for Their Preparation and Use" by Panster et al., issued October 18, 1983;

United States Patent No. 4,455,415 entitled "Polymeric Tertiary and Secondary Amines with a Silica-Type Backbone, Processes for their Preparation, and Use" by Panster et al., issued June 19, 1984;

United States Patent No. 4,481,364 entitled "Preparation of Aminopropyltrialkoxysilanes and/or Aminoalkylalkylsilanes" by Chu et al., issued November 6, 1984;

United States Patent No. 4,556,722 entitled "Process for the Preparation of Aminopropylalkoxysilanes" by Quirk et al., issued December 3, 1985;

United States Patent No. 4,645,844 entitled "Functionally Substituted Phenoxyalkyl Alkoxysilanes and Method for Preparing Same" by Berger et al., issued February 24, 1987;

United States Patent No. 4,888,436 entitled "Process for Preparing Aminopropyl Alkoxy Silanes" by Shiozawa et al., issued December 19, 1989;

United States Patent No. 4,897,501 entitled "Process for Preparing Aminopropyl Alkoxy Silanes" by Takatsuna et al., issued January 30, 1990;

United States Patent No. 4,921,988 entitled "Process for Preparing Aminopropyl Silanes" by Takatsuna et al., issued May 1, 1990;

United States Patent No. 4,927,953 entitled "Process for Preparing Aminopropyl Silanes" by Takatsuna et al., issued May 22, 1990;

United States Patent No. 5,486,634 entitled "Method for the Preparation of Organopolysiloxanes with Secondary Aminoalkyl Groups Linked Through a Carbon Atom to a Silicon Atom" by Hahn et al., issued January 23, 1996;

United States Patent No. 5,840,951 entitled "Organosilicon Compounds Containing Amino Groups, Their Preparation and Their Use" by Hierstetter et al., issued November 24, 1998;

United States Patent No. 6,015,920 entitled "Hydrosilation Reaction Process with Recycle" by Schilling et al., issued January 18, 2000;

United States Patent No. 6,197,912 B1, entitled "Silane Endcapped Moisture Curable Compositions" by Huang et al., issued March 6, 2001.

II. Foreign Patent Documents:

European Patent Application No. EP 0 135 813 A2 , by Shieh et al., entitled "Preparation of Aminopropyltrialkoxysilanes and/or Aminoalkylalkoxysilanes" published April 3, 1985;

European Patent Application No. EP 0 676 403 A1, by Feng et al., entitled "Arylamino silane End-Capped Urethane Sealants" published October 11, 1995;

WO 01/49655 A1, entitled "Method for the Hydrocyanation of Unsaturated Organic Compounds" by Burattin, published July 12, 2001;

British Patent No. 949,044 entitled "Organosilicon Compounds and Processes for their Production" published February 12, 1964.

III. Other References:

Speier et al. "Synthesis of (3-Aminoalkyl)silicon Compounds" Journal of Org.Chem., Vol. 36, No. 21, at pages 3120-3126.(1971);

Saam et al. "Preparation of 3-Triethoxysilylpropylamine and 1,3-Bis(3-aminopropyl)tetramethyl-disiloxane" appearing in Journal of Organic Chemistry, Vol. 24. 119 (1959);

Belyakova et al., "Addition of Hydride Alkoxysilanes to Allyamine and its Derivatives" Appearing in English Journal of General Chemistry - Translated from Zhurnal Obshchei Khimii, Vol. 44, No. 7, pp. 1484-1489 (July 1974).

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this application.

Please charge any deficiency, as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or §1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account **23-2656**. Also, in the event any extensions of time for responding and/or a petition under 37 C.F.R. §1.17(i)(i) are required for the pending application(s), please treat this paper as a petition to extend the time and/or

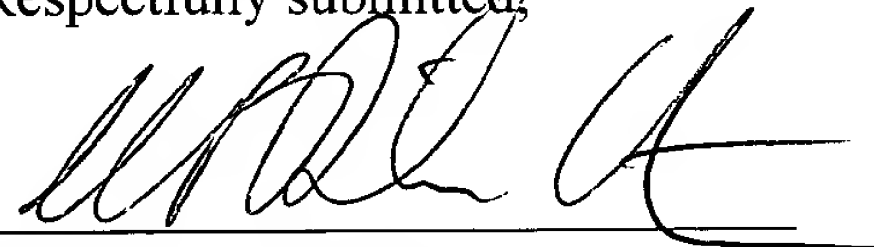
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23-2656 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Date:

October 10, 2001

Respectfully submitted,



Michael P. Dilworth

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